



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 663
HALIFAX NS
B3J 2T3

October 2005 Volume 66 Number 8
club web site is www.halifax-arc.org



Were You ready for hurricane season?
2005 is the Year of the Veteran



HARC Club Station phone number - 490-6421
See the HARC Web site at: <http://www.halifax-arc.org>

Our executive and committees.

| <u>Position Name & Call Sign</u> | <u>Phone #</u> | <u>E-Mail</u> |
|--|----------------|-------------------------------|
| President - Bill Elliott, VE1MR | 865-8567 | ve1mr@rac.ca |
| First V.P. - Fraser MacDougall VE1WO | 865-4198 | ve1wo@rac.ca |
| 2nd V.P. - Darryll Perrin, VE1HUP | 826-1439 | ve1hup@rac.ca |
| Secretary - Howard Dickson, VE1DHD | 823-2024 | dhdickson@hfx.eastlink.ca |
| Treasurer - John Goodwin, VE1CDD | 865-5731 | ve1cdd@rac.ca |
| Member at Large, Tom Caithness, VE1GTC | 477-7081 | tom.caithness@ns.sympatico.ca |
| Club Station Mgr. - Pat Kavanagh, VE1PHK | | ve1phk@rac.ca |
| Past President - Dick Grantham, VE1AI | 434-8046 | ve1ai@rac.ca |

Committees/Offices/Prime Contacts

| | | |
|---|----------|-------------------------------|
| Public Relations: Wayne Harasimovitch, VE1WPH | 832-3660 | ve1wph@rac.ca |
| IPARN and Brit Fader Memorial QSL Bureau Manager - | | |
| Bob Burns, VE1VCK | 865-9414 | ve1vck@rac.ca |
| EMO Coordinator - Dave George, VE1AJP | 466-8723 | dgeorge@dal.ca |
| Reflector editor - Lynn Bowser, VE1ENT | 865-8567 | ve1ent@rac.ca |
| Reflector Dist. - Tom Caithness, VE1GTC | 477-7081 | tom.caithness@ns.sympatico.ca |
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| Web page - Rob Ewert, VE1KS, | 826-1705 | ewertr@hfx.eastlink.ca |
| Basic ham course - Scott Wood, VE1QD | 823-2761 | ve1qd@rac.ca |
| EMO Trailer Assembly coord - David Musgrave, VE1EDA | 435-4333 | veleda@rac.ca |
| Flea market 2006 Chair'man - NEEDED | | |
| Field Day coordinator - Howard Dickson | 823-2024 | dhdickson@hfx.eastlink.ca |
| RAC Asst Director - Wayne Marchand, VE1WJM, | 860-1580 | ve1wjm@rac.ca |
| NSARA Director - Scott Wood, VE1QD | 823-2761 | ve1qd@rac.ca |
| Frequency coordinator for Nova Scotia - Bev Reynolds, VE1TL | | |

Take-15 Net Controllers

NOTE: There have been some changes.

This will be the rotation. If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list, or you want to join, please let Bill, VE1MR, know.



| | | |
|---------|-------|--------|
| Oct. 16 | Tom | VE1GTC |
| Oct. 23 | Win | VE1WIN |
| Oct. 30 | Peter | VE1PJW |
| Nov. 6 | Herb | VE1HX |
| Nov. 13 | Doug | VE1LDL |
| Nov. 20 | Dave | VE1EDA |

FOR SALE

The club has a pair of Heathkit SB-101 transceivers with matching speakers and power supplies. Only simple testing was done, one radio is working and was tested on the air. The other is not working, it is for repair or parts. Asking \$250 or reasonable offer for the pair. Contact Fraser, VE1WO at 865-4198 or ve1wo@rac.ca

Any previously advertised items unsold will be advertised on the club swap page or other places.

The **General Monthly Meeting** of the Halifax Amateur Radio Club will take place Wednesday, October 19, 2005 at 1930 hours (7:30 PM), at the former Bloomfield School building (corner of Almon and Agricola streets). The meeting will be held in the Multi-Purpose Room. The evening's speaker - Dick, VE1AI on QSL bureaus and QSLing.

Guests are welcome.



GENERAL INFORMATION

TAKE-15 NET: Sunday evenings at 8:30 PM on VE1PSR/VHF

CLUB REPEATERS:

VE1PSR/VHF - 147.270 MHz +
VE1PSR/UHF - 444.350 MHz +
VE1PSR/6M - 53.550 MHz -
access tone 151.4 Hz

VE1HNS - 146.940 MHz -

PACKET:

VE1NSD 145.050 MHz LAN NODE
VE1BBS - Local packet BBS
accessible through the LAN

Deadline for submissions to the November Reflector is Saturday, November 5, 2005



Puzzler - Do You Know?

What is Doherty Modulation?

Answer to puzzler is on page 9

NOTICE

The Dartmouth repeater autopatch now requires an access code. Contact John, VE1WZ at 434-7095

Events for Your Calendar

A Basic Amateur Radio Course began on Thursday, 15 September at the Club station room. Course co-ordinator is Scott Wood, VE1QD.

Interested in learning CW or improving your CW skills? Starting in early November Gary, VE1RGB, will conduct **CW training** on Monday evenings. Contact Gary to join the class.

October – Greenwood FleaMarket

Jamboree On The Air 2005 is Saturday, October 15. Same location as last year: Camp Harris at 1250 Mineville Road, Mineville (off Highway 207, east of Dartmouth/Cole Harbour). Contact Andrew, VE1VAC.

November 5 at 9PM the ESARC will hold a 50's & 60's **dance** at the Chezzetcook Fire Hall in the Head of Chezzetcook.

HF Bulletin from BJ Masden the RAC Director in the West.

NOTE: If you are a **BASIC** licensee recently granted HF privileges due to Industry Canada's policy change as a result of (a) grandfathering or (b) earning an 'Honours' **BASIC** and if you would like evidence of this to appear on Industry Canada's data base, then you should send a FAX or an E-mail to IC advising them that you are eligible and that you intend to operate HF. Industry Canada will place a (+) after your name in the name field of their data base to indicate HF access. This is not a requirement, but will be done at your request as proof to anyone who checks that you now have HF privileges

Passed along by Howard Dickson,
VE1DHD

HARC t-shirts (royal blue embroidered with the HARC crest) and **HARC crests** can be purchased from our stock

Crests @ \$5 each

T-shirts @ \$15 each



BLAST FROM THE PAST!! On Saturday, November 5 the Eastern Shore Amateur Radio Club will be having a 50's & 60's dance at the Chezzetcook Fire Hall in the Head of Chezzetcook. Dancing from 9PM. to well after midnight!

Tickets - \$10.00 per person
\$15.00 per couple.

Bill Anderson will be the band playing mostly Country music from the 50's & 60's and the great old Rock'N Roll from the same era.

Our Special Guest performer is one of our own members, now a recording artist, VE1PDX, Dave; The Singing Ham From Newfoundland!

Contact all of your friends and the ones that want to book that night, have them call me at 827-3800.

Door Prizes!! 50/50 tickets!!

This is one night that we can all socialise and enjoy one's company And with the flavour of Country, Rock N Roll and Newfoundland music, it will certainly be a night to remember.



73' Joe Bellefontaine, President

HARC has Anderson Powerpole connectors for sale at \$1.25 each (one red and one black connector for one complete end). A complete mating pair requires 2 connectors. Place orders with Tom Caithness, VE1GTC;
tom.caithness@ns.sympatico.ca

From the ARRL Letter, Vol. 24, #19, AMSAT-NA dues increase. AMSAT Life Membership will rise to \$880 (20 times annual membership). Family membership will continue to be \$22 per family member. Details are the subject of an article in the March/April 2005 AMSAT Journal. For more information on AMSAT-NA, visit the AMSAT Web site <<http://www.amsat.org/>>

From the ARRL Letter, Vol. 24, No. 39 October 7, 2005

CEPT working group adopts early-access recommendation: The CEPT Electronic Communications Committee (ECC) Working Group FM (WGFM) has adopted a recommendation, ECC/REC(05)05, regarding early access in the band 7100-7200 kHz. The recommendation states that administrations within CEPT may allow stations in the Amateur Service to use the band 7100-7200 kHz on a secondary basis, provided that the transmitter output power does not exceed 250 W. Following public consultation of the draft recommendation, the WGFM adopted ECC/REC (05)05 on September 28 at its meeting in Koblenz, Germany. The number of countries that allow early access is growing. The Russian Federation and Singapore joined the list last week, and the Netherlands and Austria are expected to permit access soon. Additional information and a list of countries that have adopted early access to 7100-7200 kHz are available on the IARU Region 1 Web site <http://home.planet.nl/~pa3ebt/IARU-R1/7_mhz_early.htm>

Attention new Amateurs

Any new amateurs obtaining their call-signs please let Tom, VE1GTC, know by phone at 477 7081 or e-mail – ve1gtc@rac.ca

From the ARRL Letter, Vol. 24, No. 39 The launch of the Student Space Exploration and Technology Initiative (SSETI) Express **satellite**, which will carry an Amateur Radio package, has been rescheduled for Thursday 27 October from the Plesetsk Cosmodrome with 28 October as a back-up date," said Graham Shirville, G3VZV. The SSETI Express will carry three CubeSat picosatellites. Plans call turning the satellite into a single-channel amateur FM voice mode U/S transponder after the transmitter serves initial telemetry duty. The AMSAT-UK Web site <<http://www.uk.amsat.org/>> provide additional information.

PRESIDENT'S MESSAGE

There is lots happening this fall. The club had a very successful event at the ISAR for the Coast Guard Auxiliary.

The annual general meeting will be coming up in November, please consider what you can do for the club, either as an executive member or part of a committee.

The club constitution has been rendered into electronic format and a limited number will be printed in booklet form. The electronic version will be e-mailed to those who receive the Reflector in PDF. The printed copies should be available at the October club meeting for those who cannot use or print an electronic version themselves.

The coming year of 2006 is again decision time for a callbook in 2007. If we are to do one in 2007 we need to identify an editor to begin work on a new book and set up committees for the various jobs required. Give some thought to this and what you can do for the club.

73 - Bill, VE1MR

Can you help!

The club is helping with JOTA (Jamboree On The Air), unfortunately it is the same day as the Greenwood flea market and we still need people to help out. If you are not going to the flea Market, please consider helping, contact:

Andrew, VE1VAC at 835-1753

HF TUTORIAL

There will possibly be a Tutorial Session for HF Operators. Due to the influx of newly "grandfathered" HF operators, the executive felt there was a need for a "brain storming" session at the next monthly (October) meeting of the Club to see how the Club might provide the necessary instruction and guidance to ensure that these new HF operators are:

1. able to effectively operate on the HF bands;
2. capable of safely operating the HF equipment in the Club Station.

Ideas and needs are required to be able to set this up. We are hoping this may be held in early November.

Tech support: Your password is the small letter a as in apple, a capital letter V as in Victor, the number 7.

Customer: Is that 7 in capital letters?

Special Event Station VA1ISAR

At the end of September (Sept. 29, Sept 30, Oct 1, 2005) the HARC participated in the International Search And Rescue competition, held this year in Dartmouth, and in Halifax. The club was asked back in 2003 if we wanted to operate a special event station in support of the event. We established VA1ISAR, a special event call sign assigned to us under the new 4 letter suffix rule. We operated from the Coast Guard Base at the foot of Parker Street, Dartmouth, and also from the CSS Acadia. Brian, VE1AZV was team captain for the Acadia and looked after getting that station up and staffed. A great group of others helped set up the Coast Guard base station. The FT-1000D was used at the Acadia, and the IC-735 and matching amp and external tuner were used at the Coast Guard Base. The latter station was set up on the jetty in the HRM Search and Rescue Command Centre Truck, on loan from the EMO SAR team. The EMO trailer was on loan to support the Cushcraft A3 tribander. The presence created by the Command Centre and trailer was impressive indeed. The competitive events were taking place at both locations.

To say the event was OVER THE TOP successful, would be an understatement. We not only made 935 QSO's, publicizing the event, in over 40 countries, and perhaps every state, which includes Alaska, and Hawaii, by the way, but in many other ways. The appearance of the stations was professional in every aspect. There were many operators who had never or seldom been on HF who got some good experience. We entertained dignitaries at both locations, almost continuously. We had other amateurs, who were participating in the competition, drop by. They were from such locations as Ireland, Virginia, Maryland, New England, Quebec, British Columbia.

We were filmed by CBS news, and others. A video is being made of the event and it opens with Murray, VE1MMD calling CQ from VA1ISAR, using the FT-1000D, and it fades with the shot zeroing in on the s-meter and fading through into the other events of the competition.

Most of all we demonstrated our great ability to perform as a team, quickly, efficiently, effectively, and with great comradery, all in the public eye. About 30 club members took part in this activity, be it setting up or operating. We set up 2 complete stations in about 2 hours, that communicated with 935 stations, and it was not a contest. Our stations could be heard well, very well, and the pile up of stations calling us was continuous. Thanks to all who gave of their time to support this very successful event. My personal thanks to all. You did us proud.

Dick VE1AI



Why is it that no matter what colour bubble bath you use the bubbles are always white?

DX n' HF

From an article meant for all Canadian ARC's by D. Howard Dickson, VE1DHD

Contesting -Building Interest
And Levelling the Playing Field

Now that there are literally thousands of newly qualified Hams on the HF bands in Canada, isn't it high time that there was a concerted National approach to building the contesting and DXing aspects of our hobby.

While I have always considered myself to be a competitive type-A personality, it has only been within the past few years that I have really gotten fired up about contesting. And to a large extent this has been due to my exposure to contesting at the VE1JF super contest station in Victoria Beach Nova Scotia, and to the wonderful mentoring that I have received from the seasoned ops that work that station. Don't get me wrong. I am not yet, and don't expect ever to be, one of those guys who spends each and every single weekend working one of the myriad contests that are available world-wide. My better half would certainly not approve, and besides, "I have a life" – sailing in the summer and early fall is priority number one for me, and I also enjoy photography throughout the year. On the amateur radio side, I am the secretary of the Halifax ARC, I work with the EMO Amateur Radio Communications Group in Metro Halifax, and I try to write the odd piece for the "Bulletin". This spring and summer I have been on two DX-peditions, worked the RAC Canada Day contest, helped to organize the Maritime DX Forum, and I will be taking part in two Amateur Radio-related special events here in Metro Halifax over the next month. But, as the summer comes to an end, and the boats start to disappear from our Cove, I know that I will start thinking more about Amateur Radio, and particularly about

Fractured Zen – It's always darkest before dawn.; So if you're going to steal your neighbour's newspaper, that's the time to do it.

contesting as we get closer to the CQ WW DX phone test in late October. In fact, as I walked the dog this morning and watched the birds gathering together in preparation for their flight south, I started thinking about how we might build this aspect of our hobby by encouraging our newly-commissioned HF Hams to get involved.

So ... what could be done to make contesting in Canada more interesting for all HF-capable Hams? For one thing, I think that the playing field needs to be levelled. What do I mean by that you ask? Well, I really don't believe that many of the newly approved HF operators who've been grandfathered onto the HF bands without the necessity of learning Morse code are going to be very interested in contesting. Why? Because without the ability to work CW, phone-only ops are just never going to be capable of getting the necessary number of multipliers to be even remotely competitive in the majority of our Canadian contests. If you can see that you are never going to win the race, are you likely to ever start to run?

The American Radio Relay League, recognising the need to build interest in our hobby, has taken steps to address the issue of contesting by having separate CW and Phone tests for their big events. I think it is time for RAC to do something similar with the RAC Winter and Canada Day events. There are several possible ways of addressing this. RAC could set up 2 separate contests for each of their events – one weekend for CW and another for phone. Or, they could simply establish 3 categories within each of the tests – one for CW; one for Phone and a mixed category for both CW & Phone.

Clubs need to become more actively and directly involved in promoting contesting too. Not just talking it up! There is a need for education about contesting and a need for team building. For example, the Halifax ARC organized a full-day contesting

workshop in mid June with the focus on improving our Club's competitiveness in the 2005 Field Day event, and from what I can determine from our submitted score, it worked big time! Clubs should seriously consider setting up a series of contesting workshops with the objective of not only promoting contesting, but educating the uninitiated about this aspect of our hobby.

What else? Well, most of us learn best by doing, so why not expand the workshop approach to include Club participation in some upcoming contests? There is no better way to get people excited about contesting and at the same time putting them at ease behind the microphone, than to give them an opportunity to watch a seasoned contesteer handle a pile-up and then to sit down at the microphone with a coach at your side and work the contest yourself. Perhaps RAC could be encouraged to become directly involved in the promotion of contesting at the Club level by becoming the co-ordinating body for Canada-wide Club-based contesting.

So in summary - to our Clubs from St. John's to Victoria I strongly encourage you to take some time to consider how you might encourage the involvement of your newly-minted HF ops in DXing and Contesting. And to RAC I say, let's follow the ARRL lead and make some changes in the RAC contest rules that allow for HF-only (and for that matter CW-only) contesters to be more competitive. At the same time, why not consider the promotion of contesting at the Club level in Canada.

Nikola Tesla, born in 1856 in Croatia, came to North America to work for Tomas Edison in 1884. Before he died in 1943 he held 112 patents covering inventions such as alternating current, the condenser, the transformer, the electric motor, 5 different propulsion systems, radio, the and-gate logic circuit, and all the essential components of a transistor.

As a person, stories portray him as being exceedingly eccentric.



Go to URL <http://www.qsl.net/n9bor/morse.htm>

That link will take one to absolutely everything -- **EVERYTHING!**
a person would ever want to know about CW, including formats for
typical messages, etc.

Gary, VE1RGB

*Never put both feet in your
mouth at the same time,
because then you don't
have a leg to stand on.*

Perhaps the most important abbreviations in CW operation are the **procedure signals**. Learn to use them correctly. The signals AS, BT, AR, and SK are sent with the two letters run together. For example send AR as di dah di dah dit.

This list courtesy of K3WWP's Ham Radio Activities <http://home.alltel.net/johnshan/>

| <u>Signal</u> | <u>Meaning or Usage</u> | <u>Example</u> |
|---------------|--|--|
| CQ | A general call that indicates you are inviting anyone who is hearing you to answer you | CQ CQ CQ DE K3WWP K3WWP K |
| R | I received your transmission perfectly. Do not send R if you didn't copy everything. Don't be redundant and say R, I COPIED YOU SOLID. | KB3BFQ DE K3WWP R FB ON UR .. |
| AS | Wait. | FONE IS RINGING PSE AS |
| BT | Break in text. Used as a separator between thoughts or a pause. Also something good to send when your mind goes blank or you are talking to someone in your shack, etc. | WX IS CLDY BT AGE HR IS |
| AR | End of message. Use when you are through sending info, and turning it over to the station you are working. Also used when answering a CQ | blah, blah, blah, hw? AR KB3BFQ DE K3WWP K. - or - To answer KB3BFQ's CQ, KB3BFQ DE K3WWP AR TXN NICE CHAT 73 CUL GE SK KB3BFQ DE K3WWP K |
| SK | Used like AR, but only for your very last transmission | (K3WWP SAYS) WHAT IS UR RIG? BK (KB3BFQ ANSWERS) RIG HR IS |
| BK | An invitation for the other station to break in immediately with an answer or comment. The other station may answer immediately after the BK is sent - do not say BK KB3BFQ DE K3WWP K just BK, then KB3BFQ will answer your question or comment. | HW? AR KB3BFQ DE K3WWP K |
| K | Go ahead. Used to tell the station you are working you expect him to transmit now. Use after a CQ to invite someone to answer you. Do not use K after you answer someone's CQ since you don't know he is going to answer you, use AR. | HW? AR KB3BFQ DE K3WWP K |
| KN | Go ahead, specific station only. No breakers are currently welcome. Used same as K when you only want to talk to one other station. Never use after a CQ unless you are not wanting anyone to answer you. | HW? AR KB3BFQ DE K3WWP KN |
| CL | I am now shutting down my station completely. Use when you are completely done transmitting, and about to pull the big switch. This is a signal that you are not listening to any more calls. | TXN NICE CHAT 73 CUL GE SK KB3BFQ DE K3WWP CL |

From the ARRL Letter, Vol. 24, No. 36

Space Agency (ESA) education department has announced an **award** to the radio amateur who submits the largest number of valid telemetry and payload packets from the student-built SSETI Express satellite. Telemetry may be received on any band to qualify for the award. SSETI Express is scheduled for launch September 27 from Plesetsk in northern Russia. It will downlink telemetry and payload data in AX.25 format at 9k6 bps on 437.250 MHz and at 38k4 bps on 2401.835 MHz. The satellite later will also be available as a single-channel Amateur Radio FM transponder. All radio amateurs interested in competing for this award are encouraged to download the necessary software from the SSETI Express Web site <<http://www.sseti.org/express>> and to use the SER-ACC system to forward the telemetry and payload data to SSETI Express Mission Control. Submissions will be automatically recorded. The Web site will display a leader board. The winner will be the amateur at the top of the leader board at 0000 UTC on Jan. 1, 2006. The winner will be offered the opportunity to visit the Student Technology Education Conference and Exhibition next spring in Germany (a 3 day event similar to the AMSAT-NA Symposium and the AMSAT-UK Colloquium. The winner will also be invited to visit ESA's Mission Operations Centre (ESOC) near Darmstadt, Germany, for a private escorted tour of the facilities. ESOC currently controls many orbital and deep-space missions and will be responsible for the European Columbus module when it joins the International Space Station.

**Halifax Amateur Radio Club
Minutes of the General Monthly
Meeting of Wednesday,
September 21 2005**

President Bill (VE1MR) called the meeting to order at 1936 with 41 members present.

Executive in attendance:

Bill Elliott (VE1MR) – President; Fraser MacDougall (VE1WO) – First Vice-president; Darryl Perrin (VE1HUP) – Second Vice-president; Howard Dickson (VE1DHD) – Secretary; Pat Kavanaugh (VE1PHK) – Station Manager; Tom Caithness (VE1GTC) – Member-at-Large; and Dick Grantham (VE1AI) Past-president.

Silent Keys: Ed Zwicker, VE1AOQ in New Germany Nova Scotia.

Guests: None

Minutes of the monthly meeting of June 15th, 2005:

MOTION - Approval of the minutes of the June monthly meeting as published in the September 2005 Reflector was moved by Murray (VE1MMD) and seconded by Peter (VE1PJW) – Correction to the call sign of Jason in relation to the Field Day Submission – printed as VE1PLI and should have been VE1PLF. With that correction – Motion carried.

Executive Reports:

Treasurer – Fraser (VE1WO) reported on behalf of John (VE1CDD) who was absent. Fraser reported a May month-end bank balance of \$ 9,094.01. A hard copy of the report is appended to the hard copy of these minutes. Fraser indicated the following expenses for the summer months – June - \$6,534.60; July - \$242.46; August - \$1,050.00. Howard (VE1DHD) questioned the large June expenditure and Fraser itemised the individual expenses for June. One large expense related to the QSL card printing that was offset to a large extent (with the exception of the Club cards) by income from the sale of these cards to members. June Income was \$4,042.03.

MOTION – acceptance of the Treasurer's Report was moved by Lynn (VE1ENT) and seconded by Doug (VE1LDL). Motion carried.

Secretary – Howard (VE1DHD) again reminded the membership of the success of the first QSL card print run and indicated that the Club was planning to run a QSL card design and printing service for members and others in the region. The cost for 1000 full-colour cards will be

\$120.00 including tax to HARC members. The Club has also printed up 1000 "Generic" QSL cards that members can purchase for the price of \$2.50 for 10 cards. These are much more expensive but will serve those who only QSL occasionally.

President – Bill reported on several successful Club-related events that had occurred over the summer months. These included:

1. Field Day where our 2F Class submitted score was 7200 and likely sufficiently high to give HARC first place in Canada in the 2F Class for 2005.

2. Bill also commented on the two successful social evenings that the Club hosted in the Club Station in July and again in August. Both meetings were attended by guests from out of town.

3. Bill informed the group that the MS Bike Tour was a great success again this year and that the APRS tracking system and the use of the EMO mobile repeater were both very important to the overall success of the communications effort by Club members taking part.

4. Bill thanked Emile (VE1ESP) for stepping in on short notice to organise a weekend of radio operating from the CSS Acadia using the Club Maritime Mobile call sign VE0MMA.

5. Finally, Bill indicated that Brian (VE1AZV) has agreed to organise the 2006 DX Forum with assistance from Scott (VE1QD); Dick (VE1AI) and Howard (VE1DHD).

First Vice-president – Fraser (VE1WO) reported that there had been little interest in the used equipment items that had been listed for sale in the September Reflector. He indicated that Ken Rojeski had made an offer on the 9-element 2-meter Quad antenna that was accepted, and so Ken will be taking possession of that equipment soon.

Second Vice-president – Darryl (VE1HUP) informed the membership that the speaker for the evening was going to be Mark Gulliver from the Tinnitrus Support Group of Atlantic Canada. He also indicated that there were three door prizes for the evening – a Master-Craft Digital Multimeter; a DX World Wall Map and a Cushcraft Banner.

Station Manager - Pat (VE1PHK) had nothing specific to report but did acknowledge that Brian (VE1AZV) has spent a great deal of time organising and cleaning up the Club Station over the summer months. A round of thanks was

given to Brian for his efforts by the members present.

Member-at-Large – Tom (VE1GTC) had nothing specific to report.

Past-president – Nothing to report.

Committee Reports:

Membership – Tom (VE1GTC) reported that as of 21 September 2005, there were 154 paid-up members for 2005. This represents the largest membership in recent years. Tom encouraged members to pay their 2006 membership dues early. There are already four paid-up for 2006.

Search & Rescue – Dave (VE1AJP) reported a quiet summer with one search for two teenaged boys that ended happily with both individuals being found in good shape.

EMO – Dave (VE1AJP) encouraged everyone, with the onset of the hurricane season, to have batteries charged and to ensure that radio gear is ready to be used in any emergency situation.

Flea Market 2005 – the Flea Market Committee declared a profit for the two clubs – HARC and DARC – of \$135.95 each, this over and above the \$300 seed money advanced to the Committee, which was also repaid.

While there was some concern raised with regard to the time and effort invested for such a small financial return to the Clubs, there was also the point made that this is a very important regional event that brings Hams together in a social setting around Amateur Radio, and so financial considerations alone should not dictate how future events might be structured.

Basic Amateur Radio Course – Scott (VE1QD) reported that there are 16 individuals registered for the 2005/2006 course. Because of the class size, he has moved the course to the Knightsbridge Fire Station Training Rooms. The course runs from September to March every Thursday evening from 7pm to 9pm. Scott pointed out that it is not too late to join the 2005/2006 class and encouraged members to promote the course to potential Hams.

CW Course – Gary (VE1RGB) announced that he will again this year organise and run a course in Morse Code for interested individuals. The course will start in early October and run for about 10 weeks. Please contact Gary at: gary-bartlett@accesswave.ca for registration.

(Continued on page 7)

(Minutes Continued from page 6)

DX Forum 2005 – Scott (VE1QD) reported on a very successful DX Forum in August with 33 Hams attending the Forum at the Nautel facilities in Hackett's Cove, and 45 Hams and spouses attending the Salmon Dinner following the Forum. There was clearly a significant increase in the interest and enthusiasm for the Forum this year and the Forum is predicted to grow much larger in 2006. There was a round of thanks offered to Scott for his hard work and dedication in organising this important regional event.

Canadian Coast Guard Auxiliary S&R Competition

Dick (VE1AI) reported that the special call sign VA1ISAR has been approved by Industry Canada for this two-day event that is expected to bring competitors from all over North America. Set-up will commence on Thursday Sept. 29th at the Coast Guard Station site in Dartmouth. The Search & Rescue Command Vehicle, as well as the EMO mobile repeater trailer will be stationed in Dartmouth and will comprise the site for one of two HF radio stations that will be on the air all weekend. The other will be aboard the CSS Acadia on the Halifax Harbour waterfront adjacent to the Maritime Museum of the Atlantic.

Old Business:

Bill pointed out that with the sale of Estate-donated equipment, the Club has been able to purchase new (to us) radios for the Club Station at no real additional cost to the Club - Yaesu FT-1000 and ICOM IC-275H – 2 metre base station with power supply and desk microphone.

The Club has also purchased a new Data Projector for Club use.

New Business:

1. Auditor for 2005 –

Matt (VE1BSG) agreed to let his name stand for this position.

MOTION - It was moved by Fraser (VE1WO) and seconded by Brian (VE1AZV) that Matt be nominated for the position of Auditor. With no other nominations, Matt was acclaimed as the 2005 Club Auditor.

2. Nominating Committee Chair –

MOTION - On a motion by Bob (VE1RHP), seconded by Phil (VE1PB) Peter (VE1PJW) was nominated as the Chair for the 2005/2006 Nominating Committee. With no other nominations from the floor, Peter was acclaimed as Chair of the Nominating Committee. Tom (VE1GTC) agreed to forward a current list of Club members to Peter.

3. Award Tracking – Dick (VE1AI) spoke to the need for the Club to have some up-to-date general logging software at the Club HF computer stations. He also urged users of the HF radios in the Club Station to log all contact on the computer. Dick recommended the purchase of DX4Win as the logging programme of choice for the club for the reason that it automatically tracks awards.

MOTION - Moved by Dick (VE1AI) and seconded by Jim (VE1JIM) that the Club purchase a copy of DX4Win for the Club logging computers.

Carried with one dissenting vote.

Reports & Announcements:

President Bill reminded the membership that the Club still needs to appoint chairs for the following important committees – Field Day & Flea Market 2006, as well as a NSARA Director to replace Joe (VE1CH) who has stepped down after two years in this role.

Scott (VE1QD) agreed to serve as the NSARA Director

Field Day – Some additional discussion followed concerning the 2006 Field Day. The Secretary read the relevant portions of the minutes from 2005 that dealt with the selection of the 2005 Field Day category and site for operating.

MOTION - It was moved by Dick (VE1AI) and seconded by Scott (VE1QD) that the 2006 Field Day be in the 2-Alpha Class and take place in the field.

Carried

Howard (VE1DHD) agreed to serve as Field Day Chair for 2006.

Promotion of Amateur Radio – Murray (VE1MMD) pointed out that there had been extensive coverage in "The Christian Science Monitor" on the involvement of Radio Amateurs in the recent hurricane disaster in the southern States. He read a portion of the article pointing out how well the public and humanitarian contributions of Hams were portrayed.

Certificates of Merit – Emile (VE1ESP) handed out certificates of Merit to those members who assisted in the CSS Acadia operation on the weekend of Sept. 24th.

5:50 Draw – the draw (\$18.50) was won by Pat (VE1PHK).

Door Prizes – a Digital Multimeter was won by Terry (VE1DTY);

A World Map was won by Spud (VE1BC)

A Cushcraft Banner was won by Paul (VE1ARH)

There was a 15-minute social and refresh-

ment break at 20:48, followed by a talk on Tinnitus by Mark Gulliver.

Mark Gulliver gave an interesting and informative talk to the members present on the activities of the Tinnitus Support Group of Atlantic Canada. There was considerable discussion in relation to the varied causes of Tinnitus and how Hams might be at some risk by virtue of the fact that they often bombard their auditory system with loud sounds through the head sets they use when working HF.

2nd V-P Darryl thanked Mark on behalf of the members present for an excellent presentation.

Respectfully submitted by: Howard Dickson – VE1DHD, Secretary

"Thousands of years ago, cats were worshipped as gods. Cats have never forgotten this." -- Anonymous

NREN / K6KPH Training Broadcasts

Hello Everyone, NREN, in cooperation with the staff of K6KPH will begin regular training broadcasts designed to assist radio amateurs who have an interest in becoming involved in CW traffic nets. These broadcasts will consist of sample radiogram messages with content ranging from that of typical routine radiograms to content typical of served agency and Health and Welfare traffic. Messages will also contain occasional training topics on net procedure, emergency communications, and similar topics.

The "kick-off" broadcast to take place Saturday, Sept. 24, at 1PM Pacific Time (2000Z). This initial broadcast will be your opportunity to offer feedback and suggestions as to any needed improvements or additions you feel would be helpful. Once we receive your feedback, regular, weekly training broadcasts will commence Saturday, Oct. 15; to continue indefinitely.

Frequencies for the training broadcasts will be:

7050 KHz

14050 KHz

21050 KHz

(Continued on page 8)

From the Mail Bag**The Art of Communication**

As a new radio operator I observe with interest all the various aspects there are to pursue in the Amateur Radio World. Trying to make contact with others by using satellites, Dxing, Morse Code, moon bouncing, slow scan and much more. So many different ways to communicate. All the bands and modes, pretty cool.

Another aspect of communication that is important no matter which mode, band or radio we choose to send and receive our messages on is what I call the Art of Communication. There are so many different types of radios, radio accessories, and types of antennas, all very important when we wish to hear and send a message. Just as important, is the radio operator and the style and technique they use to send their message. The way you send your message, the language you use, your tone, your attentiveness, speaks volumes about the type of communicator you are.

Some skills I developed over the years as I learned to become an effective communicator may be helpful for some folks, therefore, I would like to share a few things to take into consideration.

A) Say what you mean, choose the best words to relay your message so others can clearly understand what you're saying. Using everyday words, short sentences, send clearer messages. NEVER USE A WORD YOU DON'T KNOW THE MEANING OF.

B) Never say what you believe others want to hear if it isn't something you believe or agree with. Say what you feel and believe or agree with. BE TRUE TO YOURSELF AND OTHERS WILL BE TRUE TO YOU AS WELL.

C) Be yourself not who you want to be. Sending a mixed message only complicates your original messages leading to confusion and the wrong message getting sent. Respect who you are and others will as well. OTHERS CAN'T RESPECT YOU IF YOU HAVE NO RESPECT FOR YOURSELF.

D) Tone, your tone accounts for 85% of your message. Don't talk down to or up to others. TALK TO THEM THE WAY YOU WANT THEM TO TALK TO YOU.

E) Never indicate in your message that you're going to do something, knowing you have no intention of following up. For every fairy tale we share, it takes 15 other fairy tales to cover our tracks when we get found out. We always get found out. WE REAP WHAT WE SOW.

F) Listening is as important as talking in the Art of Communication. If you're bored, tired, tell those you're communicating with, be honest, genuine and caring. After all, AMATEURS ARE A TEAM.

I have only mentioned some of the things I take into consideration when I am sending and receiving messages. Hopefully these will be of some benefit to others, make sense and add to the hobby.

VE1DTY Terry

(NREN / K6KPH Training Broadcasts
Continued from page 7)

The broadcasts will occur simultaneously on all three frequencies.

It is important to note that this is a volunteer program. Unlike W1AW, which has paid staff, K6KPH is a volunteer organization. Thus there may be rare Saturdays on which this will not occur. We will, however, have an alternate plan to originate broadcasts from a lower profile facility if that K6KPH is unavailable for an occasional weekend.

Shortly after each training broad-

cast, the original text will be distributed via the QMN/NREN e-mail list so registered QMN and NREN members may check their copy.

Oct. 24, NREN will begin weekly training nets; Monday evenings at 9-PM EST. Frequencies as follows:

First Monday: 3663 kHz Simple check-in / check-out at low speed with only one or two training messages transmitted. This will be for inexperienced CW traffic handlers.

2nd Monday: 7050 kHz Full Net session at moderate speed. NCS will slow down for individual operators operating at lower speeds.

3rd Monday: 10115 kHz Simple check-in/out at low speed. Same approach as First Monday Session

4th Monday: 14050 kHz Full Net session at moderate speed.

NCS for these nets will likely vary to provide training opportunities throughout the US and Canada. If you are an experienced CW traffic handler and would be willing to NCS once per month, please let Jim Wades, WB8SIW know. He can be reached at wb8siw@charter.net. We will add you to a rotating schedule.

A major part of the NREN program is to promote participation in local Section NTS CW traffic nets. Please refer to the ARRL Net Directory and other sources to locate a CW Net in your area. Now is a good time to begin monitoring local net activities to learn more about basic net procedures. If you are unable to locate the time and frequency of a local CW traffic net, please contact the QMN/NREN General Manager for a referral.

Those wishing to become a member of NREN and participate in our programs are encouraged to send an e-mail to the NREN General Manager. State "join NREN" in the subject line. These emails should be sent to: wb8siw@charter.net

Thank you & 73! James Wades, PEM, General Manager, Michigan Net, QMN National Radio Emergency Net P.O. Box 457, Allegan, MI. 49010

Ham radio operators tune in hurricane help

By Barbara W. Carlson | Contributor to The Christian Science Monitor

Richard Webb, an amateur radio operator, was asleep on his air mattress at University Hospital in New Orleans during the aftermath of hurricane Katrina when he was awakened at 5AM. by a hospital administrator. As Mr. Webb tells it, "He told me we had a lady who was in labour, who had swum five blocks in that dirty, nasty water to the hospital because she saw lights there - people with flashlights moving around." Medical personnel said the baby needed to be delivered by caesarean section. But the hospital had limited power, no running water, no way to sterilize instruments, no way to perform such surgery. "We figured we had two hours to get her medevacked out of there" before the lives of mother and child would be in danger. "I got on the radio and was talking to a fellow who was with the Coast Guard auxiliary in Cleveland, Ohio. I was working with him to arrange a medevac."

Choppers did arrive in time, Webb says. The woman and another patient in need were evacuated successfully. Because the hospital had no landing pad, the two had to be lifted out in baskets lowered from the helicopters.

Webb, who lived in nearby Slidell, La., had been summoned to his hurricane post by the hospital's head of emergency management. He's one of

For those who have difficulty converting units

- ◊ *Ratio of an igloo's circumference to its diameter = Eskimo Pi*
- ◊ *2000 pounds of Chinese soup = Won ton*
- ◊ *1 millionth of a mouthwash = 1 micro scope*
- ◊ *Time between slipping on a peel and smacking the pavement = 1 banana second*
- ◊ *Time it takes to sail 220 yards at 1 nautical mile per hour = Knotfur-long*

about 750 amateur radio operators, "who have been in and out of the 5 hurricane states since day one: Louisiana, Mississippi, Alabama, and parts of northern Florida and Texas, where evacuees are taking shelter. At least a thousand other hams throughout the nation have been involved in some way, relaying messages or assigning hams to various locations. They're all volunteers, all unpaid, and they do what they do because they want to. They train for disaster work; their FCC radio licenses mandate public service.

In typical disaster conditions, agencies like the Red Cross, Salvation Army, the Federal Emergency Management Administration (FEMA), and local government bodies call on a state ham leader for volunteers when usual channels of communication are down or jammed.

Katrina was far more vast. For the first time, the nonprofit American Radio Relay League (ARRL) set up a website and database to facilitate assigning hams.

Pamela Taylor, who works as an events manager in Hampton Beach, N.H., got a call from FEMA and headed south on Sept. 9. She was deployed to a shelter in Ocean Springs, Miss., before moving to New Orleans. The shelter was a church, well-supplied and maintained, with an abundance of volunteers. Her job was to radio for special needs, anything from a doctor to paper plates. Nights sometimes brought an emergency or two when a resident had to be removed, usually for alcohol or drug problems.

Hams worked with the National Weather Service before and during the hurricane. They still are receiving and transmitting messages in shelters and other locations, alerting emergency agencies that a commun-

Tune in to the **EMO NET** conducted by David, VE1EDA, each Sunday evening at 1930 local (7:30 PM) on VE1PSR repeater (147.27).

nity needs water, that an elderly woman needs an ambulance, or that sanitary conditions are in crisis.

An estimated 600,000 FCC-licensed amateur radio operators live in the US; about 162,000 are members of the ARRL, which was founded in 1904 and is located here in Newington, Conn. Nearby Hartford is where Hiram Percy Maxim, the father of amateur radio, experimented at sending messages across the city and then relaying them across the country. Long before e-mail, there was amateur radio. It evolved over the last century so that today, ham operators communicate with one another around the world.

That's the hobby part of ham radio. The serious and vital part is seen in the Amateur Radio Emergency Service (ARES). Trained ham operators are ready with their "go kits" of equipment, batteries, and energy bars. ARRL coordinates the work of the emergency operators. Hams were at ground zero in New York within hours, they were in Florida for the multiple hurricanes last year, and they handled communications in the Northeast blackout of 2003.

Hams are volunteers. When they set sail for disasters, they pay their own way. Sometimes employers give them a paid leave or reimburse expenses. Hams' sacrifices are real, but the rewards are often intangible.

Thanks to Murray, VE1MMD, for forwarding this -ed.



Answer to puzzler on page 1

Doherty Modulation is a modified linear amplifier, low level modulated at the driver stages. What distinguishes it from others is that it uses two RF output tubes, one which handles the carrier and the negative modulation swings (the "Carrier tube") and the other tube (the "Peak Tube"), which normally is cut off, but goes into action during the positive peaks of modulation."

From the ARRL Letter, Vol. 24, No. 37
September 23, 2005

SUITSAT, NEW ARISS SSTV GEAR ARRIVES AT the ISS

September '05 an unpiloted Russian Progress cargo ship delivered two new ARISS systems to the including SuitSat Amateur Radio hardware and the Slow Scan Television (SSTV) hardware and software to the International Space Station (ISS) .

The ISS Expedition 11 crew of John Phillips, KE5DRY, and Sergei Krikalev, U5MIR, will make the gear available for installation, use and deployment by the Expedition 12 crew of Commander Bill McArthur, KC5ACR, & Flight Engineer Valery Tokarev who are to launch October 1 from the Baikonur Cosmodrome in Kazakhstan in a Soyuz transporter.

The SuitSat Amateur Radio gear and a school artwork project are to be installed inside an outdated Russian Orlan spacesuit. SuitSat then will be deployed from the ISS during a spacewalk.

During its limited lifetime, SuitSat will beam down special messages and an SSTV image as it floats in space. SuitSat's radio system will allow hams and students to track the suit and decode special international messages, spacesuit telemetry and a pre-programmed SSTV image through its specially-built digital voice messaging system and Amateur Radio transmitter. SuitSat will have transmit-only capability and will run on the spacesuit's battery power.

The new SSTV system will be installed inside the Service Module as an integral part of the ARISS ham radio station, NA1SS/RS0ISS. It will transmit & receive JPEG still images from the ISS. When fully operational, the SSTV system will be able to send up to 480 images/day from the ISS as well as receive images from earth-bound radio amateurs using the already installed Kenwood D-700 radio and the ARISS antennas mounted on the Service Module. A dedicated laptop for SSTV operations will be sent on a subsequent Progress vehicle.

Field Day – Thoughts for improvement

by Dick Grantham, VE1AI

1. FIELD DAY CHAIRMAN:
Although it is brave of the executive to assume the roll of Field Day Chairman, it leaves no one person in charge. This leads to some confusion as to what to do and when. A Field Day Chairman is required to co-ordinate all Field Day activities, from locating antennas to what is laid on for eating and sleeping arrangements.

Without a chairman, too much is left to individuals to act on their own, and this could cause things to be missed OR conflicts with other plans from others. There should NOT be a Field Day if a Chairman cannot be found.

FIELD DAY CHAIRMAN RESPONSIBILITIES:

- a. Site Selection
- b. Appointment of

TEAM CAPTAINS

- c. Site layout
- d. Designating Parking areas
- e. Sleeping Arrangements
- f. Identification of Bonus Points, and appointment of responsibilities to ensure they are secured.

2. TEAM CAPTAINS:

We need several team captains to assume the responsibility for key functions. There should be a Captain for each of the following:

- a. CW operating position – equipment, computer, Keying interface, operator roster, housing, etc.
- b. SSB operating position – same as above
- c. Kitchen – meal plans, refreshments, kitchen housing, cooking, refrigeration etc.
- d. GOTA – same as SSB & CW
- e. Communications – on site communications, a small job but some sort of intercom/2meter comms would be handy.

3. COMMAND CENTRE:

A command centre would be estab-

lished in any real emergency condition and one should be set up for field day. This centre would be the info centre for all activities. It would exist to answer such questions as to where to find anything required for the overall operation. It would serve as a centre to support visitors, including media; it would also control such things as parking areas, sleeping etc etc. It would not have to be staffed by the FD chairman but someone who could work closely with the chairman.

4. NEW EQUIPMENT:

Some new equipment is required, and some must be repaired. There were some notes on the 40 and 80 meter antennas that should be investigated before the next field day.

We should purchase a CW keying interface, and perhaps a voice keyer.

There should be more adapters available, rather than people using their own personal ones.

We should have a substantial FIRST AID KIT on site.

A cell phone number should be made available for family and friends to be able to contact participants; this would be at the command centre

NOTES FOR "F" CLASS

1. Do not put a beam on the stub tower at the Spicer Building, it does NOT work there.

2. Keep the antennas off the roof if possible

3. 40 meter sloper off the tower (6ft) to the light standard off the west end of the building worked like gang-busters.

4. An 80 meter inverted Vee off the stub tower worked OK

5. The CW beam on the centre wood pole worked great

6. GOTA used DARC antennas

7. SSB used the beam on the crank up tower

8. Coaxes were removed from the connectors on the patch panel and used directly to the rigs with connections made behind patch panel.

9. That patching arrangement must be improved.